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**Complete if Known**

Application Number	10/705,955
Confirmation Number	6712
Filing Date	November 13, 2003
First Named Inventor	Masaru KURIBAYASHI
Art Unit	2837
Examiner Name	Tyrone W. SMITH
Attorney Docket Number	Q78397

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
TS		US 5973482	A	10-26-1999	MEINERT et al.
TS		US 4629968	A	12-16-1986	BUTTS et al.
TS		US 6,713,882	B2	03-30-2004	YASUDA
		US			
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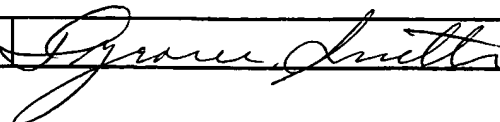
**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)			
TS		JP	2001-016900	A	01-19-2001	MITSUBA CORP	Abstract
TS		JP	2002-191158	A	07-05-2002	DENSO CORP	Abstract & US '882
TS		JP	07-001975	A	01-06-1995	HONDA MOTOR CO LTD	Abstract
TS		JP	09-297076	A	11-18-1997	MEIDENSHA CORP	Abstract

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
TS		European Search Report	

Examiner Signature



Date Considered

9/29/04

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.